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Schlumberger

Fax message

To	Patricia Small	Location	USPTO
cc		Fax	(703) 746-4272
From	Kevin McEnaney/Pam Rahmatdoost	Date	August 13, 2004
Subject	Serial No: 10/064,529 Our File: 20.2817 Formulas	Pages (inc)	2

Ms. Small:

I am attaching a copy of the four formulas that you said are not of print/publication quality in the patent application USSN 10/064,529.

If you require anything further, please let us know, and thank you for your help.

Pam Rahmatdoost

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USSN 10/064,529 Formulas

$$I_z + S_z \xrightarrow{\pi/2(U_x) + \pi/2(S_x)} -I_y - S_y$$

$$-I_y - S_y \xrightarrow{2\pi J I_z S_z} -I_y \cos \pi J t + 2I_x S_z \sin \pi J t - S_y \cos \pi J t + 2S_x I_z \sin \pi J t$$

$$P = \begin{pmatrix} \pi/4 \\ \pi/4 \end{pmatrix}_y \begin{pmatrix} \pi/4 \\ \pi/4 \end{pmatrix}_x \begin{pmatrix} \pi/4 \\ \pi/4 \end{pmatrix}_y \begin{pmatrix} \pi/4 \\ \pi/4 \end{pmatrix}_x$$

$$P = \begin{pmatrix} \pi/2 \\ \pi/2 \end{pmatrix}_z \begin{pmatrix} \pi \\ \pi \end{pmatrix}_y \begin{pmatrix} \pi/2 \\ \pi/2 \end{pmatrix}_x$$